

38 086 23

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

PUBLICATION COPY

ALTON QUADRANGLE
11 IND. - 175 KY.
N3800-W8615/15
DIAGRAM NJ 16-5
VINCENNES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Crawford, Harrison and
Perry Counties

Only the permanent marks
are listed for lines
run more than 25 years
before edition date

Final adjustment of 1971

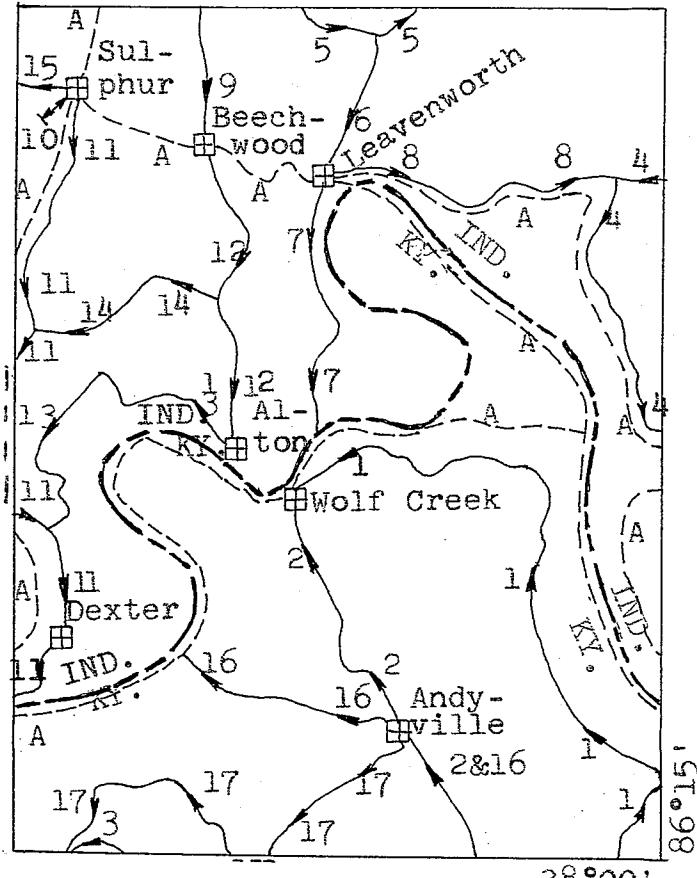
Edition of 5/9/77

PR: DSW/dt

ENGLISH
(23)

LEOPOLD
(12 IND.-176 KY.)

CORYDON
(10 IND.-174 KY.)



HARDINSBURG
(152 KY.)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 380862

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
KY 7 WA 1928	3	27 M 648 1947	11,13
KY 8 WA 1928	3	28 M 628 1947	11
KY 9 WA 1928	3	29 M 683 1947	13
KY 10 WA 1928	3	30 M 1947 477	14
KY 11 WA 1928 -	4	31 M 1947 736	14
KY 12 WA 1928	4	TT 17 DWP 422 IND 1947	13
13 WA 1928 785	14	TT 18 DWP IND 1947	12
TT STA 618 NO 10 D 1928	16	TT 19 DWP 620 IND 1947	12
19 W 1937 876	4,7	<u>USCE</u>	
20 W 1937 766	4		
21 W 1937 460	5		
TT 29 T 1943 459	6	BM 132	11
TT 30 T 1943 670	5	BM 133	16
TT 31 T 1943 740	6		
TT 32 T 1943 711	6	<u>USC&GS</u>	
TT 33 T 1943 710	5		
TT 34 T 1943 757	5,5	R 55 1934	7,8,14
1 M 1947 754	15	S 55 1934 RESET 1956	7
2 M 1947 701	15	U 55 1934	5
3 M 1947 648	15	W 55 1934	6
3 M 656 1947	7	MT PLEASANT 1946	12
4 M 1947 640	7	MT PLEASANT 1946 (Az. Mk.)	12
5 M 1947 427	17	MT PLEASANT NO 1 1946	12
20 M 1947 433	8	MT PLEASANT NO 2 1942	12
21 M 809 1947	9,14	ORIOLE 1946 (Az. Mk.)	9
22 M 801 1947	10	ORIOLE NO 1 1946	9
23 M 417 1947	10	ORIOLE NO 2 1946	9
24 M 433 1947	10	SULPHUR 1946	8
26 M 612 1947	11	SULPHUR NO 1 1946	8
		SULPHUR NO 2 1946	8

ALTON
Book B 2921

IND.-KY.

C. E. Walker

1928

FeetLINE 1.

C. E. Walker, 1928; Book B 2921

U.E., Battletown, 3.0 mi SE. of, in NE. angle of old crossroads; on large limestone outcrop; chiseled square

473.29

Battletown, 1.5 mi SE. of, 40 ft N. of rd. forks; 40 ft NW. of fence corner; on limestone outcrop; standard tablet stamped "KY 7 WA 1928"

569.335

Battletown, 1.5 mi N. of, in small valley; 300 ft SE. of residence of A. O. Hanes; 10 ft E. of rd.; 17 ft W. of fence corner; in rock outcrop; standard tablet stamped "KY 8 WA 1928"
(Reported destroyed, 1950)

669.437

Reference mark, 300 ft SE. of residence of A. O. Hanes; on W. side of rd.; 22 ft E. of fenceline; on rock outcrop; chiseled square

668.89

Wolf Creek, 5.0 mi E. of, along Cedar Flat rd.; 700 ft N. of Cedar Flat School, 0.19 mi W. of residence of Dan Thompson; 400 ft SW. of rd. forks; 220 ft E. of abandoned house; on E. side of rd.; in rock outcrop; standard tablet stamped "KY 9 WA 1928" (Tied by USC&GS, 1964)

774.067

Reference mark, 700 ft N. of Cedar Flat School; 0.19 mi W. of residence of Dan Thompson, 400 ft SW. of rd. forks; on rock outcrop; chiseled square

775.07

Wolf Creek, 0.75 mi NE. of, in S. corner of yard of W. H. Shacklette, inside fence corner; in concrete post; standard tablet stamped "KY 10 WA 1928" (Tied by USC&GS, 1964)

433.795

U.E., Wolf Creek, at SE. corner of hwy. bridge over creek; on stone pier; chiseled square

408.03

4
ALTON
Book B 2921

IND.-KY.

C. E. Walker

1928

FeetLINE 2.

C. E. Walker, 1928; Book B 2921

Andyville, about 1 mi NW. of; 30 ft S. of rd. forks
on line with center of rd. N.; in fence corner;
in concrete post; standard tablet stamped
"KY 12 WA 1928" (Reported destroyed, 1948)

695.174

Wolf Creek, 3.0 mi S. of, on NE. side of rd. forks;
near gate to barnyard; 10 ft N. of N. gate post;
in fenceline; in concrete post; standard tablet
stamped "KY 11 WA 1928" (Reported destroyed,
1948)

410.519

LINE 3.

C. E. Walker, 1928; Book B 2921

There are no permanent marks in this line in this
quadrangle

LINE 4.

C. S. Wells, 1937; Book B 7338

Harrison County State forest fire tower; 9.3 mi SW.
of Corydon; on Corydon-Leavenworth rd.; in SE.
concrete pier of tower; standard tablet stamped
"19 W 1937 876" (Tied by USC&GS, 1965)

875.651

U.E., Harrison County State forest fire tower; 1.0
mi S. of; on Cold Friday trail; 610 ft SE. of
crossroads; on E. side of bend in rd.; on top of
ledge outcrop; chiseled square

772.24

U.E., Harrison County State forest fire tower; 1.7
mi S. of, 100 ft E. of intersection of truck trails
Nos. 3 and 4; on S. end of W. abutment of bridge
over stream; chiseled square

515.42

Harrison County State forest fire tower; 3.3 mi SE.
of, 610 ft SE. of crossroads; 27 ft NE. of center-
line of Cold Friday rd.; in large sandstone ledge
outcrop; standard tablet stamped "20 W 1937 766"
(Tied by USC&GS, 1965)

765.694

Reference mark, 38 ft NW. of tablet; on top of large
boulder at edge of rd.; chiseled square

766.56

ALTON
Book B 7338

IND.-KY.

C. S. Wells

1937

FeetLINE 4 (Cont'd.)

New Amsterdam, 1.8 mi NE. of, 0.6 mi W. of bridge over Indian Creek; at forks of rd. to Cold Friday Church; 38 ft NW. of E. angle of triangular intersection; 50 ft SW. of N. angle of triangular intersection; 12.5 ft SW. of 36-in. elm tree; in concrete post; standard tablet stamped "21 W 1937 460"

459.475

LINE 5.

B. B. Chamblin, 1943; Book V 2

Tower, about 0.38 mi E. of post office; in sec. 24, T. 3 S., R. 1 E.; in front yard of Tower Methodist Church; 2 ft S. and 2 ft W. from SW. corner of church; in concrete post; standard tablet stamped "TT 34 T 1943 757" (Reported destroyed, 1949)

756.664

LINE 6.

B. B. Chamblin, 1943; Book V 2

"TT 34 T 1943 757" (Described in line 5)
(Reported destroyed, 1949)

756.664

Tower, 1.75 mi SW. of, along State Highway 66; about 2.5 mi NW. of Leavenworth; near NE. cor. sec. 35; T. 3 S., R. 1 E.; 40 ft N. and 13 ft W. from crossroads; in concrete post; standard tablet stamped "TT 33 T 1943 710"

710.090

"U 55 1934" (USC&GS) (Reported not found, 1965)

677.190

LINE 7.

B. B. Chamblin, 1943; Book V 2

"U 55 1934" (USC&GS) (Also in line 6)
(Reported not found, 1965)

677.190

Fredonia, in front yard of Methodist Church; 3 ft S. and 3 ft E. from SE. corner of church; in concrete post; standard tablet stamped "TT 30 T 1943 670"

670.035

ALTON
Book V 2

IND.-KY.

B. B. Chamblin

1943

FeetLINE 7 (Cont'd.)

Fredonia, 1.9 mi SE. of, 1.0 mi NE. of Cape Sandy; in N. half of sec. 24, T. 4 S., R. 1 E.; 20 ft S. and 11 ft E. from T-rd. S.; in concrete post; standard tablet stamped "TT 31 T 1943 740"

739.413

Cape Sandy, 1.1 mi S. of, in S. 1/2 sec. 26, T. 4 S., R. 1 E.; at Pleasant Ridge Baptist Church; 21.6 ft N. of SE. corner of cemetery; in concrete post; standard tablet stamped "TT 32 T 1943 711" (Reported destroyed, 1950)

710.467

Reference mark; 75 ft S. of tablet; in N. end of bottom concrete step of entrance to church; chiseled square

710.72

Yeasts Landing on Ohio River, 1.2 mi below; about 1.6 mi above Wolf Creek, Ky.; on property of John Heath; on shelf between bluff and river bank; 25 ft from foot of bluff and 25 ft from river bank; 48 ft NW. of 20-in. oak tree; 71 ft NE. of 20-in. oak tree; 56 ft NE. of 24-in. lynn tree; U.S.C. of E. traverse bench mark 1038; 2-in. galvanized iron pipe mounted on 4- by 4-in. concrete pedestal with copper bolt in center

cap on pipe
top of bolt

408.905
405.885

LINE 8.

B. B. Chamblin, 1943; Book V 2

"W 55 1934" (USC&GS)

431.656

U.E., Leavenworth, 1.4 mi E. of, along State Highway 62; in sec. 5, T. 4 S., R. 2 E.; in top of SW. concrete wingwall of concrete bridge over Dry Run; chiseled square

448.44

Leavenworth, 2.1 mi E. of, 2.65 mi W. of Harrison County State forest fire tower; in SE. 1/4 sec. 4, T. 4 S., R. 2 E.; on State Highway 62; 130 ft N. $22^{\circ}45'$ W. of junction of gravel rd. E. to fire tower; 18 ft S. and 23 ft W. from telephone pole 7843; in limestone ledge; standard tablet stamped "TT 29 T 1943 459" (Tied by USC&GS, 1965)

459.267

ALTON
Book V 2

IND.-KY.

B. B. Chamblin

1943

FeetLINE 8 (Cont'd.)

"19 W 1937 876" (Described in line 4) (Tied by USC&GS, 1965)

875.651

LINE 9.

A. L. Moore, 1947; Book AV 20

U.E., Riddle Post Office, 0.6 mi S. of, in SE. 1/4 sec. 20, T. 3 S., R. 1 E.; on E. concrete head-wall of small steel girder bridge; chiseled square

677.33

Riddle Post Office, 1.5 mi S. of, 1.6 mi N. of Beechwood Post Office; near W. 1/4 cor. sec. 28, T. 3 S., R. 1 E.; 58 ft N. of T-rd. W.; 20 ft SE. of mail box of Hal Highfill; 20 ft E. of rd.; 7 ft N. of N. gate post to barn lot; 1 ft W. of fence; in concrete post; standard tablet stamped "3 M 656 1947"

655.575

Reference mark, 590 ft S. of tablet; 65 ft W. of rd. N.-S.; 5 ft N. of rd. W.; 1 ft above rd.; on ledge; chiseled square

660.89

Beechwood Post Office, at, in NE. cor. sec. 5, T. 4 S., R. 1 E.; 108 ft W. of NW. corner of store building; 25 ft S. of rd.; 15 ft E. of E. gate post; 2 ft N. of fence; in concrete post; standard tablet stamped "4 M 1947 640"

639.769

Reference mark, 116 ft E. of tablet; 7 ft E. of NE. corner of Beechwood Post Office; 11 in. SE. of N. corner of concrete base of Standard gasoline pump; chiseled square

643.07

"S 55 1934 RESET 1956" (USC&GS)

446.849

LINE 10.

A. L. Moore, 1947; Book AV 20

"R 55 1934" (USC&GS)

715.323

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

LINE 10 (Cont'd.)Feet

Sulphur triangulation station reference mark 2 is 57.23 ft W. of station; 39 ft NE. of center of rd.; 1 ft NE. of fence; in concrete post projecting about 4-in.; USC&GS standard reference disk stamped "SULPHUR NO 2 1946"

725.756

Sulphur triangulation station located on NE. side of State Highway 62; 0.25 mi SE. of junction of State Highway 37 at Sulphur; 56.5 ft NE. of center of hwy.; 31 ft NE. of fence; 18.5 ft S. of 10-in. cedar tree; in concrete post projecting about 0.3 ft.; USC&GS standard triangulation station disk stamped "SULPHUR 1946"

729.592

Sulphur triangulation station reference mark 1 is 72.99 ft S. of station; 32.5 ft NE. of center of hwy.; 1 ft NE. of fence; in concrete post projecting about 0.3 ft; USC&GS standard reference disk stamped "SULPHUR NO 1 1946"

724.674

LINE 11.

A. L. Moore, 1947; Book AV 20

"R 55 1934" (USC&GS) (Also in line 10)

715.323

U.E., Sulphur, 0.8 mi S. of, along State Highway 66; in NE. cor. sec. 35, T. 3 S., R. 1 W.; at foot of long hill; 180 ft N. of dirt rd. NW.; on SW. wingwall of concrete bridge; chiseled square

455.59

Sulphur, 1.7 mi S. of, along hwy.; near SW. cor. sec. 36, T. 3 S., R. 1 W.; 15 ft N. and 35 ft W. of Y-rd. fork; 45 ft N. of "Stop Sign," 1 ft above hwy.; in concrete post projecting 0.5 ft; standard tablet stamped "20 M 1947 433"

433.152

Reference mark, 475 ft S. of tablet; 280 ft N. of Crawford-Perry county line; at concrete bridge; on N. end of W. wheel guard; chiseled square

433.27

9
Book 20

ALTON

IND.-KY.

A. L. Moore

1947

FeetLINE 11 (Cont'd.)

U.E., Sulphur, 2.3 mi S. of, along hwy.; in sec. 2, T. 4 S., R. 1 W.; about 400 ft S. of Birkley's store; at dim rd. E.; in NE. angle; on V-shaped concrete headwall of culvert; chiseled square	504.71
U.E., Sulphur, 3.1 mi S. of, along hwy.; 2.0 mi N. of Oriole; in NE. 1/4 sec. 11, T. 4 S., R. 1 W.; in SE. angle of crossroads; 90 ft NW. of Buckeye School No. 3 (abandoned); at concrete culvert 23; on S. headwall; chiseled square	676.63
Oriole, 1.5 mi N. of, along hwy.; near center sec. 11, T. 4 S., R. 1 W.; in SE. angle of Y-rd. forks; in concrete post; USC&GS standard azimuth mark disk stamped "ORIOLE 1946"	809.178
Oriole Cross Road, 0.8 mi N. of, along hwy.; USC&GS standard reference mark disk stamped "ORIOLE NO 1 1946"	839.024
Oriole, 0.8 mi N. of, along hwy.; 180 ft S. of standard disk stamped "ORIOLE NO 1 1946" USC&GS standard reference mark disk stamped "ORIOLE NO 2 1946"	839.890
U.E., Oriole, in NW. angle of crossroads; in sec. 15, T. 4 S., R. 1 W.; about 0.1 mi E. of post office; at W. end of culvert; on V-shaped concrete headwall; chiseled square	803.80
Oriole, 1.0 mi S. of crossroads, along State High- way 66; 2.7 mi N. of crossroads at Mt. Pleasant; near E. 1/4 cor. sec. 22, T. 4 S., R. 1 W.; 30 ft N. and 30 ft W. of T-rd. forks; 3 ft N. of power pole; in concrete post; standard tablet stamped "21 M 809 1947" (Tied by USC&GS, 1965)	809.014
Reference mark, 17.5 ft N. of tablet; on top of concrete right-of-way post; chiseled square	810.12

/Jogs into Leopold quadrangle/

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

LINE 11 (Cont'd.)Feet

Elder School, 160 ft SW. of entrance; near S. 1/4 cor. sec. 3, T. 5 S., R. 1 W.; 25 ft N. of State Highway 66; 25 ft E. of crossroads; 6.5 ft E. of guy pole; in concrete post; standard tablet stamped "22 M 801 1947"

801.806

Reference mark, 160 ft NE. of tablet; on W. end of stone under top stone step at entrance to Elder School; chiseled square

802.59

U.E., Elder School, 1.3 mi SE. of, along hwy.; 3.2 mi N. of Dexter; 0.3 mi W. of Sacred Heart Church; near center sec. 11, T. 5 S.; R. 1 W.; at foot on long steep hill, at sharp curve; 35 ft E. and 15 ft N. of Y-rd. forks; on N. concrete headwall of culvert; chiseled square

413.62

Dexter, 2.4 mi N. of, along State Highway 66; near N. 1/4 cor. sec. 14, T. 5 S., R. 1 W.; about 800 ft SW. of residence of Joseph James; 20 ft W. of hwy.; 20 ft S. of private rd. W.; in concrete post; standard tablet stamped "23 M 417 1947" (Tied by USC&GS, 1965)

416.909

U.E., Dexter, 1.5 mi N. of, along State Highway 66; in SW. 1/4 sec. 14, T. 5 S., R. 1 W.; at Y-rd. forks; 100 ft W. of hwy.; on N. concrete headwall of culvert; chiseled square

409.15

Dexter, near S. 1/4 sec. 23, T. 5 S., R. 1 W.; 75 ft N. and 30 ft E. of T-rd forks; 20 ft NW. of W. corner of post office and in line with SW. front; 3.5 ft SW. of 8-in. maple tree; in concrete post set almost flush; standard tablet stamped "24 M 433 1947" (Recovered by USC&GS, 1965)

433.444

Reference mark, 38 ft SE. of tablet; at Shell service station; on NW. corner of base of gaso-line pumps; chiseled square

433.23

U.E., Dexter, 1.0 mi SW. of, along State Highway 66; near W. 1/4 cor. sec. 26, T. 5 S., R. 1 W.; 150 ft N. of right angle turn in hwy.; on E. end of 24-in. corrugated galvanized iron culvert; chiseled cross

393.90

ALTON
Book AV 20

IND.-KY.

38 086 23

A. L. Moore

1947

FeetLINE 12.

A. L. Moore, 1947; Book AV 20

U.E., Beechwood; chiseled square (Described in
line 9)

643.07

Beechwood, 2.1 mi S. of, near center sec. 9, T. 4 S.,
R. 1 E.; 40 ft NNW. of metal gate; 90 ft NNW. of
private rd. NW.; 20 ft W. of rd.; 1 ft E. of
woven wire fence; in concrete post; standard
tablet stamped "26 M 612 1947"

612.171

U.E., Beechwood, 2.9 mi S. of, in NE. 1/4 sec. 16,
T. 4 S., R. 1 E.; 20 ft S. and 20 ft E. of T-rd.
forks; in W. side of base of power pole with
anchor wire; rail spike

541.11

U.E., Beechwood, 3.4 mi S. of, in sec. 16, T. 4 S.,
R. 1 E.; at steel bridge over Little Blue River;
on W. end of N. abutment; chiseled square

410.44

Beechwood, 4.1 mi S. of, 3.1 mi N. of Alton Post
Office; 1.8 mi SE. of Deuchars Post Office; in
NE. 1/4 sec. 20, T. 4 S., R. 1 E.; 90 ft S. of
crossroads; 25 ft ESE. of rd.; 35 ft W. of
private rd. S.; 1 ft N. of fence; in concrete
post; standard tablet stamped "27 M 648 1947"

647.642

Alton, 2.0 mi N. of post office; in SW. 1/4 sec. 21,
T. 4 S., R. 1 E.; 30 ft E. of rd.; 22 ft SW. of
SW. corner of Harvey Flat Church; 3 ft N. of
power pole with transformer; in concrete post;
standard tablet stamped "28 M 628 1947"

627.867

Reference mark, 26 ft NE. of tablet; on W. end
of bottom concrete step to church; chiseled
square

628.39

U.E., Alton, 0.8 mi N. of, in NW. 1/4 sec. 33,
T. 4 S., R. 1 E.; at steel bridge over Mill
Creek; at W. end of N. stone abutment; chiseled
square

407.79

U.E., Alton, 0.2 mi N. of, in Sec. 33, T. 4 S.,
R. 1 E.; in SW. angle of Y-rd. forks; on S. end
of corrugated iron culvert; chiseled cross

440.17

Alton, at Baptist Church; USCE "BM 132"

425.348

ALTON
Book AV 20

IND.-KY.

A. L. Moore

38 086 23

1947

FeetLINE 13.

A. L. Moore, 1947; Book AV 20

U.E., Alton, 0.2 mi N. of; chiseled cross
(Described in line 12)

440.17

Alton, 1.1 mi W. of, in sec. 32, T. 4 S., R. 1 E.;
in concrete post; standard tablet stamped
"TT 19 DWP 620 IND. 1947"

620.291

U.E., Alton, 1.8 mi NW. of, at SE. cor. sec. 30,
T. 4 S., R. 1 E.; 50 ft S. and 20 ft W. of T-rd.
fork; on top of stone marking sec. corner;
chiseled square

593.22

Mt. Pleasant triangulation station reference mark
1 is 95.94 ft NE. of station; 15 ft E. of center
of rd.; in concrete post projecting 0.3 ft;
USC&GS standard reference disk stamped
"MT. PLEASANT NO 1 1946"

872.156

Mt. Pleasant triangulation station located 7.0 mi
S. of Sulphur; on high timbered bluff overlooking
the Ohio River; on land owned by U. S. Forest
Service; 0.15 mi NE. of Buzzards Roost Lookout
Tower; 28 ft N. of triangular blaze on 14-in.
oak tree; 18.5 ft W. of center of rd.; in
concrete post projecting about 0.3 ft; USC&GS
standard triangulation-station disk stamped
"MT PLEASANT 1946"

874.610

Mt. Pleasant triangulation station reference
mark 2 is 108.79 ft SW. of station; 15 ft E. of
center of rd.; in concrete post projecting 0.3
ft.; USC&GS standard reference disk stamped
"MT PLEASANT NO 2 1946"

876.188

Buzzards Roost Lookout Tower; 80 ft SE. of SE.
corner; USC&GS standard azimuth mark disk
stamped "MT PLEASANT 1946"

869.798

U.E., Buzzards Roost Lookout Tower; at SE. corner;
top of E. anchor bolt painted white

871.41

Alton, 3.7 mi NW. of, in NE. 1/4 sec. 25, T. 4 S.,
R. 1 W.; at Y-rd. forks; standard tablet
stamped "TT 18 DWP IND 1947"

692.842

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

LINE 13 (Cont'd.)Feet

U.E., Sacred Heart Church, 2.8 mi N. of; in sec. 35,
T. 4 S., R. 1 W.; 10 ft NW. of rd.; 60 ft E. of
wooden gate; 30 ft W. of telephone pole; on ledge;
chiseled square

465.88

Sacred Heart Church, 1.9 mi N. of; in NW. 1/4 sec. 2,
T. 5 S., R. 1 W.; standard tablet stamped
"TT 17 DWP 422 IND 1947"

422.570

Reference mark, 440 ft SE. of tablet; at concrete
bridge over Little Oil Creek; on SW. end of
SE. concrete abutment; chiseled square

422.40

U.E., Sacred Heart Church, 1.3 mi N. of, near center
sec. 2, T. 5 S., R. 1 W.; at concrete bridge; on
NE. end of SE. concrete abutment; chiseled square

417.92

U.E., Sacred Heart Church, 0.3 mi N. of, in NE. 1/4
sec. 11, T. 5 S., R. 1 W.; at steel bridge over
Little Oil Creek; on E. end of N. concrete abut-
ment; chiseled square

409.88

U.E., Sacred Heart Church, 0.3 mi W. of; chiseled
square (Described in line 11)

413.60

LINE 14.

A. L. Moore, 1947; Book AV 20

"27 M 648 1947" (Described in line 12)

647.642

U.E., Deuchars, 0.2 mi E. of post office; in Sec.
18, T. 4 S., R. 1 E.; 30 ft N. of rd.; 40 ft W.
of abandoned rd. N.; at destroyed schoolhouse;
on top of concrete step; chiseled square

660.84

Deuchars, 120 ft N. of NW. corner of post office;
in NW. 1/4 sec. 18, T. 4 S., R. 1 E.; 68 ft S.
of rd.; 15 ft W. of rd. to post office; 1 ft E.
of fence; in concrete post; standard tablet
stamped "29 M 683 1947"

683.105

U.E., Deuchars, 1.4 mi SW. of, in NW. 1/4 sec. 24,
T. 3 S., R. 1 W.; at wooden bridge; on SE. end
of SW. concrete abutment; chiseled square

463.20

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

FeetLINE 14 (Cont'd.)

Deuchars, 1.7 mi SW. of, 1.0 mi S., thence 1.7 mi E. from crossroads at Oriole; near center sec. 24, T. 4 S., R. 1 W.; 40 ft E. of Y-rd. forks; 15 ft S. of rd.; 12 ft SE. of SE. corner of wooden bridge; in concrete post; standard tablet stamped "30 M 1947 477"

477.709

"21 M 809 1947" (Described in line 11) (Tied by USC&GS, 1965)

809.014

LINE 15.

A. L. Moore, 1947; Book AV 20

"R 55 1934" (USC&GS) (Also in line 10 & 11)

715.323

U.E., Sulphur, 0.8 mi W. of, along U. S. Highway 460; in NE. 1/4 sec. 26, T. 3 S., R. 1 W.; 15 ft W. of dirt rd. N.; 15 ft N. of hwy.; at culvert; on V-shaped concrete headwall; chiseled square

707.07

Sulphur, 1.8 mi W. of, along U. S. Highway 460; 1.7 mi E. of West Fork Post Office; in NE. 1/4 sec. 27, T. 3 S., R. 1 W.; 70 ft E. of graveled rd. S.; 22 ft N. of hwy.; 10 ft W. of telephone pole 8337 and in line of poles; in concrete post projecting 0.7 ft; standard tablet stamped "31 M 1947 736"

735.670

Reference mark, 280 ft E. of tablet; 45 ft SE. of telephone pole 8355; on S. concrete headwall of tablet; chiseled square

729.89

LINE 16.

A. L. Moore, 1947; Book AV 20

Payneville, 2.2 mi NW. along State Highway 64; thence 0.2 mi N. from along graveled rd.; 50 ft NW. of Y-rd. forks; 35 ft N. of abandoned rd. W.; 35 ft W. of rd. N.; about 100 ft NE. of imitation red brick house; in concrete post; standard tablet stamped "13 WA 1928 785"

785.205

15

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

LINE 16 (Cont'd.)Feet

Reference mark, 900 ft S. of tablet; 110 ft NW. of Y-rd. forks; on SW. side of State Highway 64; on SW. concrete headwall of culvert; chiseled square	802.73
U.E., Payneville, 3.5 mi NW. of, along State Highway 64; 100 ft SE. of private rd. SW.; opposite small pond; on SW. concrete headwall of culvert; chiseled square	745.00
Payneville, 4.2 mi NW. of, 0.4 mi SE. of Andyville; 60 ft NE. of State Highway 64; 9 ft NW. of lane to house of J. S. Osborne; 30 ft NE. of SE. corner fence post; 4 ft SW. of power pole; 1 ft SE. of fence in concrete post; standard tablet stamped "1 M 1947 754"	754.249
Reference mark, 0.2 mi WNW. of tablet; 0.2 mi ESE. of Andyville Post Office; 25 ft S. of State Highway 64; 15 ft E. of rd. S.; in ditch; on ledge; chiseled square	733.65
Andyville, 1.0 mi NW. of, 90 ft W. of Y-rd. forks; 50 ft NE. of State Highway 64; directly in front of barn; 13 ft W. of W. post of gate to barn lot; 2 ft S. of fence; in concrete post; standard tablet stamped "2 M 1947 701"	701.181
Reference mark, 47 ft W. of tablet; 12 ft NE. of SW. corner of barn lot; in base on SW. side of power pole with anchor wire; lag screw	699.71
U.E., Andyville, 2.0 mi NW. of, 2.5 mi SE. of Concordia; 100 ft N. of junction of State Highways 64 and 230; 35 ft NE. of State Highway 230; 60 ft W. of house; at W. end of concrete walk; on S. end of bottom step; chiseled square	682.91
Concordia, 1.8 mi SE. of post office; 0.7 mi NW. of junction of State Highways 64 and 230; at residence of W. L. Wathen; 110 ft SE. of house; 30 ft N. of State Highway 230; 13 ft E. of corner fence post; 1 ft S. of fence; in concrete post; standard tablet stamped "3 M 1947 648"	648.021

ALTON
Book AV 20

IND.-KY.

A. L. Moore

1947

FeetLINE 16 (Cont'd.)

Concordia, 600 ft NW. of post office; 100 ft E. of USCG Light No. 686.4; 30 ft SW. of State Highway 230; 35 ft NW. of dirt rd. SW.; in field; set flush with ground; USCE 4-in. pipe with cap not stamped B.M. No. 133 (*Tied by NGS, 1953*) 406.941

LINE 17.

A. L. Moore, 1947; Book AV 20

U.E., Andyville, 0.2 mi SE. of post office; chiseled square (Described in line 16)

733.65

/Jogs into Hardinsburg quadrangle/

Reference mark, 90 ft WSW. of tablet; 60 ft S. of Y-rd. forks; on E. headwall of concrete 4- by 6-ft box culvert; chiseled square

675.42

U.E., Rhodelia, 85 ft S. of SW. corner of post office; in SE. angle of Y-rd. forks; on N. end of headwall of concrete box culvert; chiseled square

645.23

U.E., Rhodelia, 1.0 mi NW. of, along State Highway 64; 0.1 mi NW. of crossroad; 3.7 mi SE. of junction of State Highways 64 and 259; on SW. concrete headwall of culvert; chiseled square

613.02

U.E., Rhodelia, 1.7 mi NW. of; 110 ft N. of junction of State Highways 64 and 259; 0.2 mi NE. of Elder and Flaherty store; on E. side of State Highway 64; on E. concrete headwall of culvert; chiseled square

622.68

Elder and Flaherty Store; 73 ft SE. of SE. corner of store; 0.4 mi SW. of St. Teresa Academy; 0.2 mi SW. of junction of State Highways 64 and 259; 41 ft S. and 20 ft E. of old crossroad; in concrete post; standard tablet stamped "TT STA 618 NO 10 D 1928"

618.414

17

ALTON
Book AV 20

IND.-KY.

38 086.23

A. L. Moore

1947

FeetLINE 17 (Cont'd.)

Reference mark, 66 ft NW. of tablet; 7 ft SE. of
SE. corner of store; on SE. corner of concrete
base of gasoline pump; chiseled square

616.86

Elder and Flaherty Store; 1.9 mi SW. of; in yard
of Thomas E. Elder; 25 ft SW. of SW. corner of
house; 15 ft NNW. of 14-in. forked locust tree;
in top on 2- by 4-ft sandstone boulder;
standard tablet stamped "5 M 1947 427"

427.425

U.E., Elder and Flaherty Store; 2.7 mi SW. of;
200 ft SW. of Y-rd. fork; 10 ft NW. of rd. SW.;
20 ft SW. of 20-in. black-oak tree; on
boulder; chiseled square

424.68

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

38-086-23
ALTON QUADRANGLE
11 IND.-175 KY.
N3800-W8615/15
DIAGRAM MJ 16-5
VINCENNES

Crawford, Harrison, and Perry Counties, Ind.;
Breckenridge and Meade Counties, Ky.

Edition of 5/10/77

PR: CRV/rmm

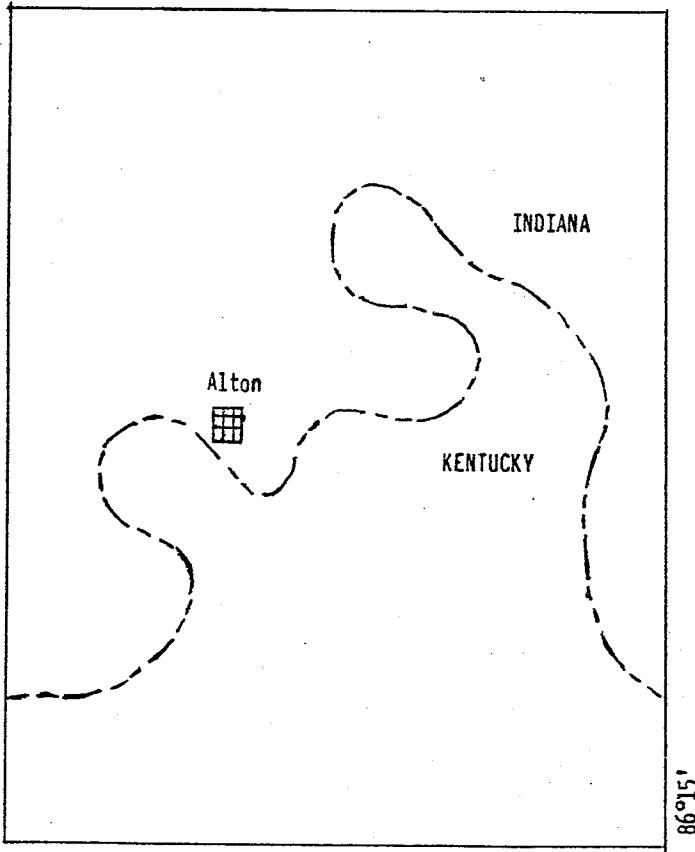
Plane coordinates are based on transverse Mercator
projection, Indiana, East and West Zones and
Lambert projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

ENGLISH
(23)

LEOPOLD
(176 KY.-12 IND.)

CORYDON
(174 KY.-10 IND.)



HARDINSBURG
(152)

38°00'

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23
N3800-W8615/15

INDEX OF PERMANENT MARKS

MARK (USGS)

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
TT STA NO 10 D 1928	3
KY 7 WA 1928	3
KY 8 WA 1928	3
KY 9 WA 1928	3
KY 10 WA 1928	3
KY 11 WA 1928	3
Destroyed 1923 (Tablet received)	3
TT STA NO 1 D 1930	3
TT STA NO 2 D 1930	4
TT STA NO 3 D 1930	4
W 19 1937	4
W 20 1937 766	4
W 21 1937 460	4
TT 29 T 1943	4
TT 30 T 1943	5
TT 31 T 1943	5
TT 32 T 1943	5
TT 33 T 1943	5
TT 34 T 1943	5
TT 14 DWP 1947	5
TT 15 DWP 1947	5
TT 16 DWP 1947	6
TT 17 DWP 1947	6
TT 18 DWP 1947	6
TT 19 DWP 1947	6
TT 20 DWP 1947	6
TT 76 DWP KY 1947	6
TT 100 TWC 1951	6
TT 111 TWC 1951	7

NGS

U 55 1934	5
W 55 1934	4

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23

3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ′ "	° ′ "

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By R. C. Darnell, 1928; Books C8477, C8479

Mooleyville, 1.2 mi E. of, along State Highway 259; 0.4 mi S. of St. Theresa Academy; 41 ft S. and 20 ft E. of crossroads at Buren's Store; in SW. corner on SW. side of rd.; in concrete post; standard tablet stamped "TT STA NO 10 D 1928"

Ind. W.) X = 684,400 Y = 190,894 38 01 21.03 86 26 35.59

By R. C. Darnell, 1930; Book C9354

Battletown, 1.5 mi S. of; about 300 ft S. of present macadam rd.; along old county rd. that was main rd. at time of level line; 40 ft N. of rd. fork into field; 110 ft N. of second rd. fork S. of barn; 70 ft from NE. corner of barn; on limestone outcrop; standard tablet stamped "KY 7 WA 1928"

X = 730,743 Y = 198,707 38 02 34.72 86 16 55.67

Battletown, 1.5 mi N. of; in small valley; 300 ft SE. of residence of A. O. Hanes; 10 ft E. of rd.; 17 ft W. of fence corner; on rock outcrop; standard tablet stamped "KY 8 WA 1928" (Reported destroyed, 1950)

X = 726,708 Y = 211,751 38 04 44.00 86 17 44.72

Wolf Creek, 5.0 mi E. of, along Cedar Flat Road; 700 ft N. of Cedar Flat School; 0.2 mi W. of residence of Dan Thompson; 400 ft SE. of rd. forks; 220 ft E. of abandoned house; on E. side of rd.; in rock outcrop; standard tablet stamped "KY 9 WA 1928"

X = 718,563 Y = 226,243 38 07 07.93 86 19 25.09

Wolf Creek, 0.8 mi NE. of; in S. corner of yard of W. H. Shacklette; inside fence corner; in concrete post; standard tablet stamped "KY 10 WA 1928"

X = 701,499 Y = 223,887 38 06 45.96 86 22 58.82

Wolf Creek, 3.0 mi S. of; on NE. side of rd. forks; near barnlot gate; 10 ft N. of N. gatepost; in fenceline; in concrete post; standard tablet stamped "KY 11 WA 1928" (Reported destroyed, 1948) ~~Reported destroyed~~ 1948

X = 704,403 Y = 208,297 38 04 11.63 86 22 23.98

St. Theresa's Academy, 3.0 mi NE. of; on Paynesville-St. Theresa Academy Road; 185 ft SW. of private T-rd.; 105 ft SE. of SE. corner of barn of C. H. Campbell; in sandstone outcrop; standard tablet stamped "TT STA NO 1 D 1930"

X = 692,035 Y = 195,312 38 02 04.17 86 24 59.66

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23

4

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Leavenworth, 5.0 mi SE. of; on Brandenburg-Leavenworth Road; in S. edge of chimney to farmhouse of Floyd Bennett standard tablet stamped "TT STA NO 2 D 1930" (Reported destroyed, 1950)

Ind. W.) X = 722,406 Y = 236,844 38 08 52.41 86 18 35.90

Leavenworth, 1.0 mi SW. of; 500 ft E. of Mt. Hope Church; 370 ft N. of rd. fork; in concrete steps of farmhouse of J. W. Kennison; standard tablet stamped "TT STA NO 3 1930"

X = 711,618 Y = 248,658 38 10 50.06 86 20 49.76

By R. C. Darnell, 1937, 1939; Book D2459

Corydon, 9.3 mi SW. of, on Corydon-Leavenworth Road; on SE. concrete footing of Harrison County State Forest fire tower; standard tablet stamped "W 19 1937"

X = 734,200 Y = 255,886 38 11 59.64 86 16 06.18

Harrison County State Forest Fire tower, 3.3 mi SE. of; 610 ft SE. of crossroads; 27 ft NE. of center of Cold Friday Road; in large sandstone outcrop; standard tablet stamped "W 20 1937 766"

X = 734,271 Y = 243,151 38 09 53.75 86 16 06.69

New Amsterdam, 1.8 mi NE. of; 0.6 mi W. of Indian Creek bridge; 50 ft SW. of N. angle and 38 ft NW. of E. angle of triangular intersection of rd. to Cold Friday; 12 ft SW. of 36-in. elm tree; in concrete post; standard tablet stamped "W 21 1937 460"

X = 736,909 Y = 229,323 38 07 36.83 86 15 35.20

By C. A. Turner, 1943; Book H25

Leavenworth, 2.1 mi E. of; 2.6 mi W. of Harrison County Forest fire tower; on State Highway 62; 130 ft NNW. of graveled rd. E. to fire tower; in SE. 1/4 NW. 1/4 sec. 4, T. 4 S., R. 2 E.; 18 ft S. and 23 ft W. of telephone pole 7843; in limestone ledge; standard tablet stamped "TT 29 T 1943"

X = 721,802 Y = 254,667 38 11 48.64 86 18 41.60

Leavenworth; on lawn of Presbyterian Church; 14 ft E. of centerline of church entrance steps; 10 ft SW. of SE. corner of church; 30 ft N. of centerline of State Highway 62 and about 2 ft higher than roadway; in concrete post; NGS standard disk stamped "W 55 1934"

X = 713,055 Y = 254,209 38 11 44.82 86 20 31.21

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23

5

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Leavenworth, 2.8 mi N. of, along State Highway 62; 32 ft S. of centerline of hwy.; 25 ft NE. of centerline of graveled rd. crossing near center of curve tangent; 13 ft E. of pole 80+00; 14 ft E. of NW. fence corner; about level with roadway; in concrete post; NGS standard disk stamped "U 55 1934"

Ind.W.) X = 702,773 Y = 255,918 38 12 02.51 86 22 39.83

Fredonia; in frontyard of Methodist Church; 3 ft S. and 3 ft E. of SE. corner of church; in concrete post; standard tablet stamped "TT 30 T 1943"

X = 701,017 Y = 247,199 38 10 36.45 86 23 02.65

Fredonia; 1.9 mi SE. of; 1.0 mi NE. of Cape Sandy; in N. 1/2 sec. 24, T. 4 S., R. 1 E.; 29 ft S. and 11 ft E. of T-rd. S.; in concrete post; standard tablet stamped "TT 31 T 1943"

X = 707,581 Y = 240,640 38 09 31.12 86 21 41.10

Cape Sandy, 1.1 mi S. of; in S. 1/2 sec. 26, T. 4 S., R. 1 E.; at Pleasant Ridge Baptist Church; 22 ft N. of SE. corner of cemetery; in concrete post; standard tablet stamped "TT 32 T 1943" (Reported destroyed, 1950)

X = 703,717 Y = 233,039 38 08 16.27 86 22 30.20

Tower, 1.8 mi SW. of, along State Highway 66; about 2.5 mi NW. of Leavenworth; in NE. corner of sec. 35, T. 3 S., R. 1 E.; 40 ft N. and 13 ft W. of crossroads; in concrete post; standard tablet stamped "TT 33 T 1943"

X = 704,913 Y = 262,427 38 13 06.69 86 22 12.40

Tower, about 0.4 mi E. of; in sec. 24, T. 3 S., R. 1 E.; in frontyard of Tower Methodist Church; 2 ft S. and 2 ft W. of SW. corner of building; in concrete post; standard tablet stamped "TT 34 T 1943" (Reported destroyed, 1949)

X = 709,551 Y = 271,023 38 14 31.30 86 21 13.44

By D. W. Pinkston, 1947; Book AH 14

Riddle, 3.0 mi E. of, along graveled rd.; 250 ft NE. of white residence of Fred Parker; 80 ft SW. of small wooden bridge; 50 ft SE. of T-rd.; 5 ft W. of bank of creek; 4 ft S. of small white oak tree; in concrete post; standard tablet stamped "TT 14 DWP 1947"

X = 693,213 Y = 271,402 38 14 36.27 86 24 38.18

Riddle, 1.0 mi E. of, along graveled rd. to right-angled turn N.; 14 ft N. and 14 ft E. of centerline of rds.; 6 ft N. and 1 ft W. of N.-S. fence corner; 20 ft S. of 18-in. walnut tree; in concrete post projecting 6 in.; standard tablet stamped "TT 15 DWP 1947"

X = 685,295 Y = 271,293 38 14 35.76 86 26 17.41

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23
6

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBsolete MARKS (Cont'd.)

Sulphur, 1.3 mi N. of intersection of State Highways 37 and 66, along Highway 37; 550 ft N. of concrete bridge; 18 ft E. of E. edge of hwy.; 3 ft S. of telephone pole; 4 ft W. of fence; 8 ft S. of entrance to field; in concrete post; standard tablet stamped "TT 16 DWP 1947" (Reported destroyed, 1970)

Ind W.) X = 677,399 Y = 271,630 38 14 39.62 86 27 56.36

Mt. Pleasant, 1.5 mi E. of, along dirt and graveled rd.; 4.0 mi SW. of Buzzard Roost Lookout Tower; about 500 ft NW. of steel bridge; 5 ft N. and 3 ft E. of junction of T-rd.; 3 ft S. of R.E.A. pole; in concrete post; standard tablet stamped "TT 17 DWP 1947"

X = 669,659 Y = 225,187 38 07 01.00 86 29 37.08

Alton, 4.0 mi W. of; 3.5 mi SE. of Oriole; 1.2 mi W. of Buzzard Roost Lookout Tower; 23 ft N. of abandoned rd. W.; 36 ft W. of graveled rd. N.-S.; 11 ft N. of 8-in. walnut tree; in concrete post; standard tablet stamped "TT 18 DWP 1947"

X = 677,642 Y = 234,780 38 08 35.33 86 27 56.41

Alton, 1.8 mi W. of; 1.8 mi E. of Buzzard Roost Fire Tower; 25 ft E. of telephone pole; 25 ft S. of centerline of graveled rd. E.-W.; 4 ft S. of fence corner; 21 ft N. of 26-in. maple tree; 1 ft W. of fence; in concrete post; standard tablet stamped "TT 19 DWP 1947"

X = 687,009 Y = 230,733 38 07 54.68 86 25 59.61

Alton, 1.6 mi E. of; 1.2 mi SW. of Pleasant Ridge Baptist Church; about 170 ft N. of residence of Mr. Mitchell; about 375 ft E. of small white house on W. side of rd.; 27 ft E. of centerline of graveled rd.; 8 ft S. of fence corner; 20 ft S. of mailbox; 1 ft E. of fence; in concrete post; standard tablet stamped "TT 20 DWP 1947"

X = 698,707 Y = 226,917 38 07 16.12 86 23 33.47

Brandenburg; 6.7 mi W. of Meade County Courthouse, along State Highway 228, thence 0.5 mi N., along private drive to Woolfolk's farm hatchery and residence; 58 ft W. of NW. corner of residence; 13 ft S. of 20-in. maple tree; 21 ft W. of hickory tree; in yard on river side of house; in rock outcrop; standard tablet stamped "TT 76 DWP KY 1947"

X = 737,328 Y = 196,568 38 02 13.01 86 15 33.58

By T. W. Cayce, 1951; Book AH 232

Ammons, 0.2 mi S. of post office, along graveled rd. to crossroads, thence 6.4 mi N. and W. along graveled rd. to top of hill; 1.4 mi W. of Mooleyville; 37 ft S. of centerline of rd.; 360 ft W. of junction of T-rd. S.; 4 ft S. of powerline junction pole; in concrete post; standard tablet stamped "TT 110 TWC 1951"

X = 671,034 Y = 189,355 38 01 06.70 86 29 22.74

11 IND.-176 KY.
ALTON QUADRANGLE

38-086-23

7

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Mooleyville; 26 ft N. and 45 ft E. of crossroads; 5 ft E. of twin concrete posts projecting about 5 ft; in concrete post; standard tablet stamped "TT 111 TWC 1951"

Ind. W.)	X = 678,565	Y = 190,448	38 01 17.02	86 27 48.55
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